



Figure 1. PUMP1 confers strong resistance to lovastatin when expressed in yeast. Numbers surrounding the plate indicate the concentration of lovastatin in each well ($\mu\text{g/mL}$). Plasmids resident in each strain are indicated in the key. See text for details of the experiment and a complete description of the plasmids.

Impact of Yeast Genetics and Genomics

S. cerevisiae

VPS36 VPS28 INV16

SNF8 *INV13* \rightarrow *DFG16*

SNF10 STP22 INN11

INV17 SNF7 INV11 INV16

A. nidulans

PalC

Path

pol A

Date

Full

Pall

PalB

1

→ **RIM101** **↓** Proteolysis allows nuclear localization

45 Genes

(Invasion regulators, amino acid biosynthesis, cell wall development, etc.)

Acid Phosphatase

Penicillin

Alkaline Phosphatase

Figure 2